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PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

То:

United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231

	ETATS-UNIS D'AMERIQUE					
Date of mailing: 03 June 1999 (03.06.99)	in its capacity as elected Office					
International application No.:	Applicant's or agent's file reference:					
PCT/EP98/07517	WO 2538dV/jdh					
	•					
International filing date:	Priority date: 24 November 1997 (24.11.97)					
16 November 1998 (16.11.98)	24 NOVEMBER 1997 (24.11.97)					
Applicant: WAJS, Andrew, Augustine et al						
The designated Office is hereby notified of its election made	e:					
X in the demand filed with the International preliminary	Examining Authority on:					
26 March 1999	(26.03.99)					
in a notice effecting later election filed with the Intern	ational Bureau on:					
	49					
2. The election X was						
was not						
made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).						

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer:

J. Zahra

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NOTIFICATION OF THE RECORDING OF A CHANGE

(PCT Rule 92bis.1 and Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

То:

DE VRIES, Johannes, Hendrik, Fokke De Vries & Metman B.V. Overschiestraat 180 NL-1062 XK Amsterdam

	PAYS-BAS
Date of mailing (day/month/year) 16 March 2000 (16.03.00)	
Applicant's or agent's file reference WO 2538dV/jdh	IMPORTANT NOTIFICATION
International application No.	International filing date (day/month/year)
PCT/EP98/07517	16 November 1998 (16.11.98)
1. The following indications appeared on record concerning: X the applicant	the agent the common representative
Name and Address	State of Nationality State of Residence
DE VRIES, Johannes, Hendrik, Fokke	
De Vries & Metman B.V. Overschiestraat 184 N	Telephone No.
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2. The International Bureau hereby notifies the applicant that the the person the name X the add	
Name and Address	State of Nationality State of Residence
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P TENT COOPERATION TREAT

		From the INTERNATIONAL BUREAU			
PCT	To:				
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422) Date of mailing (day/month/year) 11 February 2000 (11.02.00)	DE VRIES, Johannes, Hendrik, Fokke De Vries & Metman B.V. Overschiestraat 184 N NL-1062 XK Amsterdam PAYS-BAS				
Applicant's or agent's file reference					
WO 2538dV/jdh		IMPORTANT NO	TIFICATION		
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PCT/EP98/07517	16 N	lovember 1998 (16.1	1.98)		
1. The following indications appeared on record concerning:					
X the applicant the inventor	the ager	the com	nmon representative		
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MINDPORT B.V. Jupiterstraat 42 NL-2132 HD Hoofddorp Netherlands		NL Telephone No. Facsimile No.	NL		
		Teleprinter No.			
2. The International Bureau hereby notifies the applicant that the	_	—			
X the person X the name the addre	ess	the nationality	the residence		
Name and Address IRDETO ACCESS B.V.		State of Nationality NL	State of Residence NL		
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Netherlands	ļ	Facsimile No.			
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NOTIFICATION OF THE RECORDING

From the INTERNATIONAL BUREAU

OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422)	DE VRIES, Johannes, Hendrik, Fokke De Vries & Metman B.V. Overschiestraat 184 N NL-1062 XK Amsterdam PAYS-BAS
Date of mailing (day/month/year) 30 September 1999 (30.09.99)	
Applicant's or agent's file reference WO 2538dV/jdh	IMPORTANT NOTIFICATION
International application No. PCT/EP98/07517	International filing date (day/month/year) 16 November 1998 (16.11.98)
The following indications appeared on record concerning: The applicant the inventor	the agent the common representative
Name and Address IRDETO B.V. Jupiterstraat 42 NL-2132 HD Hoofddorp Netherlands	State of Nationality State of Residence NL NL Telephone No. Facsimile No.
	Teleprinter No.
2. The International Bureau hereby notifies the applicant that the person X the name the add	
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Netherlands	Facsimile No.
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3. Further observations, if necessary:	
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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:
H04L 29/06
A1
(11) International Publication Number: WO 99/27690
(43) International Publication Date: 3 June 1999 (03.06.99)

(21) International Application Number: PCT/EP98/07517

(22) International Filing Date: 16 November 1998 (16.11.98)

(30) Priority Data: 97203667.7 24 November 1997 (24.11.97) EP

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- (74) Agents: DE VRIES, Johannes, Hendrik, Fokke et al.; De Vries & Metman B.V., Overschiestraat 184 N, NL-1062 XK Amsterdam (NL).

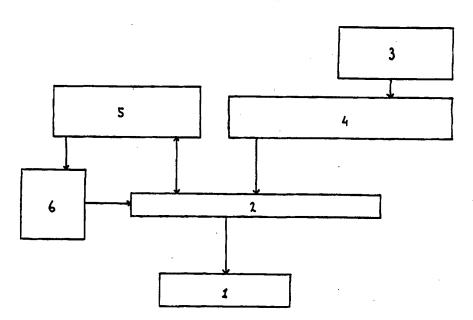
(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: SYSTEM FOR PROCESSING BROADCASTED SIGNALS



(57) Abstract

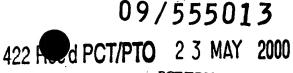
A system for controlling a tuning means for receiving broadcasted signals comprises a microcomputer, and means to connect the system to the internet. The microcomputer is adapted to process IP signals and to display web pages including URL's. The microcomputer is further adapted to obtain broadcast service information from the internet. A number of URL's for broadcast services are defined as URL's, wherein the system comprises a memory for storing tuning information for a number of broadcast services, and means for selecting a URL. This tuning information can be used for controlling the tuning means. The microcomputer retrieves tuning information from the memory by means of a selected URL. The microcomputer is adapted to use the retrieved tuning information for controlling the tuning means to receive broadcast signals from the corresponding broadcast service.

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WO 99/27690 1/PART



PCT/EP98/07517

System for processing broadcasted signals

The present invention relates to a system for controlling a tuning means for receiving broadcasted signals according to the preamble of claim 1.

Such systems are known and are used in analogue TV 5 ° sets and digital TV sets. Digital TV sets operate in accordance with the DVB (Digital Video Broadcasting) standard and recently introduced digital TV sets are enhanced with peripherals like modems for user-feedback. Further, microcomputers, in particular PC's, are generally known for which recently internal or external devices are 10 introduced for receiving broadcasted signals, such as analogue or DVB signals. An example of such a device is an integrated network PC card. PC's with modems are widely used. to access the internet, wherein generally a browser program is used. These recent developments show an integration of PC 15 and TV technology. GB-A-2 307 381 discloses an example of such an integrated system. In this known system a data file is obtained from the internet and this data file is directly used to control the tuning means.

The present invention aims to provide an improved system of this type.

According to the invention a system of the abovementioned type is provided characterized in that a number of
URL's for broadcast services are defined as URL's, wherein
the system comprises a memory for storing tuning information
for a number of broadcast services, and means for selecting
a URL on a web page, the microcomputer being adapted to
retrieve tuning information from the memory by means of a
selected URL, wherein the microcomputer is adapted to use
the retrieved tuning information for controlling the tuning
means to receive broadcast signals from the corresponding
broadcast service.

In the system of the invention the information obtained by selecting a specific URL corresponding to a specific broadcast service is used by the system, i.e. the microcomputer to retrieve the corresponding tuning information from an internal memory. In this manner a flexible system is obtained, wherein the tuning information for the broadcast service can be adapted to the location where the system is used. Thereby the same web pages with URL's can be used world wide, while it is possible to use the information contained in the URL to provide the tuning means tuning information applicable to local broadcast services, which tuning information can be different for different locations.

The invention will be further explained by reference to the drawing in which the software architecture of an embodiment of the system according to the invention is schematically shown.

A system for processing Digital Video Broadcasting (DVB) signals comprises a microcomputer not further shown. The microcomputer is provided with a DVB device 1 also 20 called a network card. This DVB device can be tuned to a specific transport stream as controlled by a driver 2 as will be further explained hereinafter. The microcomputer is connected to the internet and to a MPEG signal source, for example through a satellite, cable or terrestrial transmis-25 sion. When the DVB device 1 is tuned to a specific transport stream, the video, audio or data information received is further processed in a manner known per se so that for example the video information will be displayed on the 30 microcomputer monitor.

In the embodiment shown in the drawing, a browser program indicate as block 3, is used to access the internet and by going to a certain web site a web page can be displayed on the monitor in a manner known per se. Such web pages may contain one or more URL's providing a connection to another web site by clicking on such a URL, as is well known.

WO 99/27690

According to the present invention URL's are used to tune the DVB device 1 to a specific DVB service in the following manner. Activating a selected URL results in providing an IP address by the browser 3 to an IP stack 4. The IP stack 4 computes a so-called MAC (Medium Access Control) address from the IP address received from the browser 3. A control program 5 which is part of the driver 2, receives this MAC address and looks up corresponding tuning information and a service identification from a 10 navigation table 6 stored in a memory. This tuning information and service identification are used by the driver 2 to control the DVB device 1 to tune to the DVB service corresponding to the selected URL. As the operation for tuning the network card or DVB device 1 to the correct transport stream is generally known in DVB technology, this 15 tuning is not further described.

In this manner a standard browser program 3 with IP stack 4 which is also standard in multicast Ethernet applications, can be used to tune the network card to the DVB service. Thereby the system provides a full integration of PC and DVB TV technology in a simple manner. The network card 1 can be tuned to a desired DVB service by simply clicking for example on the name of this DVB service.

It is noted that the retrieval of the tuning
information from the navigation table is not restricted to
the use of an IP address and computation of a MAC address.
Other translations of the information in the URL into access
information to retrieve the coresponding tuning information
can be used.

According to a favourable embodiment the microcomputer is programmed such that the user can select a
plurality of HTML pages for storing in memory so that
frequently used web pages can be immediately displayed.
For example an electronic program guide can be stored in
this manner in memory in the microcomputer so that this
program guide is immediately available to the user. In this
program guide URL's can be embedded for each of the DVB

services included in the program guide. By clicking on a URL for a selected DVB service the network card 1 will be tuned to the desired DVB service. Of course it is also possible to have a default setting in the computer for storing certain HTML pages.

As an alternative for a system based on a PC as a microcomputer, the system can be based on a DVB TV set having a so-called set top box. This set top box is preferably configured to cache a plurality of HTML pages as electronic program guide pages for the DVB TV set. As the set top box has a connection to the internet, one or more of the cached pages can provide URL's to internet sites instead of DVB services. In the present specification the word microcomputer is used to cover a PC, set top box or any other equivalent equipment. Further it is noted that the word internet is used to cover also any intranet or other equivalent network.

In an other embodiment of the system described, a special broadcast enhanced browser can be used, wherein the enhancement provides for processing of special URL syntax DVB addresses, wherein the normal internet address in a URL is replaced by a DVB address as follows:

dvb://<original network id.>.<service id>/

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In this example the DVB address is a 16 bit original network identifier in combination with a 16 bit service identifier. For compatibility with the internet protocol, the two 16 bit values can be split into four 8 bit values. The DVB address will be indicated in this specification as <DVB address>.

In a further embodiment, the URL can contain an indication of the type of DVB service such as TV, radio and data, in the following manner:

dvb-tv://<DVB address>
dvb-radio://<DVB address>
DVB-data://<DVB address>.

It is noted that in the above described embodiments MPEG signals are mentioned as an example of broadcast signals. It is also possible to apply the invention in a system operating with other broadcast signals and also with analogue signals. It is further noted that the wording 'broadcast channel' covers any non IP based broadcast channel.

BNSDOCID: AMO

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CLAIMS

- 1. System for controlling a tuning means for receiving broadcasted signals, comprising a microcomputer, and means to connect the system to the internet, the microcomputer being adapted to process IP signals and to display web pages including URL's, wherein the microcomputer is adapted to obtain broadcast service information from the internet, characterized in that a number of URL's for broadcast services are defined as URL's, wherein the system comprises a memory for storing tuning information for a number of broadcast services, and means for selecting a URL, 10 the microcomputer being adapted to retrieve tuning information from the memory by means of a selected URL, wherein the microcomputer is adapted to use the retrieved tuning information for controlling the tuning means to 15 receive broadcast signals from the corresponding broadcast service.
 - 2. System according to claim 1, wherein the microcomputer is adapted to translate the selected URL into an address which is used to access the memory for retrieving the tuning information of the corresponding broadcast service.
 - 3. System according to claim 2, wherein the selected URL provides an IP address which is placed in an IP stack, wherein the IP address is translated in a MAC address, said MAC address being used to access said memory.
 - 4. System according to claim 3, wherein the URL's for broadcast services are defined in a broadcast URL syntax (broadcast://
broadcast address>).
- 5. System according to any one of the preceding claims, comprising means for downloading a tuning table from an external source, preferably from the internet or a broadcast service provider.

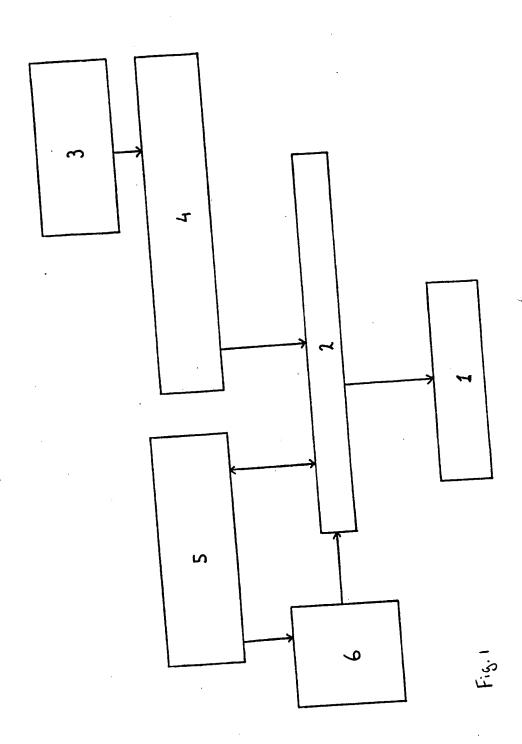
6.System according to any one of the preceding claims, comprising means for selecting a plurality of HTML pages and means for caching the selected HTML pages.

7. System according to claim 6, wherein said HTML pages include an electronic program guide, said electronic program guide including URL's for broadcast services.

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inte ional Application No PCT/EP 98/07517

IPC 6	FICATION OF SUBJECT MATTER H04L29/06		,
According to	o International Patent Classification (IPC) or to both national classific	cation and IPC	
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	ocumentation searched (classification system followed by classificat	tion symbols)	
IPC 6	HO4N HO4L	,	
Documenta	tion searched other than minimum documentation to the extent that	such documents are included in the fields se	arched
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C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category '	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.
			
A	GB 2 307 381 A (SIEMENS) 21 May see the whole document	1997	1-7
A	WO 97 27546 A (EX MACHINA INC) 31 July 1997 see figure 1		1-7
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<u> </u>	her documents are listed in the continuation of box C.	Patent family members are listed	in annex.
° Special ca	ategories of cited documents :	"T" later document published after the inte	mational filing date
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later t	nan the priority date claimed	"8" document member of the same patent	family
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1	7 March 1999	23/03/1999	
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Form PCT/ISA/210 (second sheet) (July 1992)

NATIONAL SEARCH REPORT Information on patent family members

PCT/EP 98/07517

	document search report		Publication date	1	Patent family member(s)	Publication date
GB 23	07381	A	21-05-1997	DE FR	19542780 A 2741495 A	22-05-1997 23-05-1997
WO 97	27546	A	31-07-1997	AU CA EP	1754397 A 2243555 A 0886826 A	20-08-1997 31-07-1997 30-12-1998

INTERNATIONAL SEARCH REPORT



national Application No T/EP 98/07517

A. CLASSI	FICATION OF SUBJECT MATTER H04L29/06	*			
1100	11042237 00				
	o International Patent Classification (IPC) or to both national classification	cation and IPC			
	SEARCHED cumentation searched (classification system followed by classification system followed by classific	ition symbols)			
IPC 6	HO4N HO4L				
Documenta	tion searched other than minimum documentation to the extent that	such documents are included in the fields se	arched		
Electronic d	ata base consulted during the international search (name of data b	pase and, where practical, search terms used)		
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the r	elevant passages	Relevant to claim No.		
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Α	GB 2 307 381 A (SIEMENS) 21 May	1997	1-7		
	see the whole document				
Α	WO 97 27546 A (EX MACHINA INC)		1-7		
	31 July 1997				
	see figure 1				
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	actual completion of the international search	Date of mailing of the international sec			
1	7 March 1999	23/03/1999			
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INTERNATIONAL SEARCH REPORT

ition on patent family members

rnational	Application No
T/EP	98/07517

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
GB 2307381 A	21-05-1997	DE 19542780 A FR 2741495 A	22-05-1997 23-05-1997	
WO 9727546 A	31-07-1997	AU 1754397 A CA 2243555 A EP 0886826 A	20-08-1997 31-07-1997 30-12-1998	



INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	(Form PCT/ISA/2	of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
WO 2538dV/jdh	ACTION	(Earliest) Priority Date (day/month/year)
International application No.	International filing date (day/month/year)	
PCT/EP 98/07517	16/11/1998	24/11/1997
Applicant		
IRDETO B.V. et al.		
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		is identical to the written sequence listing has been
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2. Certain claims were fou	ind unsearchable (See Box I).	
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the text is approved as si	ubmitted by the applicant.	
the text has been established		rity as it appears in Box III. The applicant may, aport, submit comments to this Authority.
6. The figure of the drawings to be pub		1
X as suggested by the app		None of the figures.
because the applicant fai		- · · · · · · · · · · · · · · · · · · ·
	r characterizes the invention.	



From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

DE VRIES, Johannes, Hendrik. Fokke De Vries & Metman B.V. Overschiestraat 184 N NL-1062 XK Amsterdam PAYS-BAS

PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT (PCT Rule 71.1)

Date of mailing (day/month/year)

1 9, 07, 99

Applicant's or agent's file reference WO 2538dV/jdh

International filing date (day/month/year)

16/11/1998

Priority date (day/month/year)

IMPORTANT NOTIFICATION

24/11/1997

International application No. PCT/EP98/07517

Applicant IRDETO B.V. et al.

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

Authorized officer

Ahrens, R

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PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicants WO 253	•	ent's file reference dh	FOR FURTHER ACTION		ation of Transmittal of International Examination Report (Form PCT/IPEA/416)	
Internation	al appl	ication No.	International filing date (day/month	/year)	Priority date (day/month/year)	
PCT/EP	98/07	517	16/11/1998		24/11/1997	
Internation H04L29/		ent Classification (IPC) or na	tional classification and IPC			
Applicant IRDETO	B.V.	et al				
		ational preliminary exami smitted to the applicant a		by this Inte	rnational Preliminary Examining Authority	
2. This	REPO	PRT consists of a total of	4 sheets, including this cover sh	neet.		
t	een a	mended and are the bas		ontaining re	n, claims and/or drawings which have ctifications made before this Authority se PCT).	
Thes	e ann	exes consist of a total of	sheets.			
3. This	report	contains indications rela	ting to the following items:			
1		Basis of the report				
H		Priority				
111		Non-establishment of o	pinion with regard to novelty, inv	entive step	and industrial applicability	
IV		Lack of unity of invention	on			
V	Ø		nder Article 35(2) with regard to r ons suporting such statement	novelty, inve	entive step or industrial applicability;	
Vi		Certain documents cite				
VII			* *			
VIII Certain observations on the international application						
Date of su	bmissio	on of the demand	Date of c	completion of	this report 1 9, 07, 99	
26/03/19	999					
	exam	g address of the international ining authority:	l Authoriz	ed officer	LEGALORS MIDILES	
9)	D-86 Tel.	opean Patent Office 0298 Munich (+49-89) 2399-0 Tx: 523650	•	·		
	rax	: (+49-89) 2399-4465	Telephoi	ne No. (+49-8	9) 2399	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP98/07517

I. Basis of the report

1. This report has been drawn on the basis of (substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):

	Des	Description, pages:									
	1-5		as originally filed								
	Cla	Claims, No.:									
	1-7		as originally filed								
	Dra	Drawings, sheets:									
	1/1		as originally filed								
2.	The	amendments have	e resulted in the cancellation of:								
		the description,	pages:								
		the claims,	Nos.:								
		the drawings,	sheets:								
3.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):									
4.	Ado	litional observation	s, if necessary:								



International application No:--PCT/EP98/07517

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes:

Claims 1 - 7

No:

Claims

Inventive step (IS)

Yes:

Claims 1-7

No:

Claims

Industrial applicability (IA)

Yes:

Claims 1-7

No:

Claims

2. Citations and explanations

see separate sheet

EXAMINATION REPORT - SEPARATE SHEET

Reasoned statement under Article 35(2) PCT

1. Cited documents:

D1 = GB-A-2 307 381

D2 = WO97/27546

Document D1 discloses a system for retrieving wide-band information via a wide-2. band network (page 3, lines 2 to 5). A computer terminal is connected to both the wide-band network and a conventional computer network (page 3, lines 7 and 8). The user selects with the aid of the terminal via the computer network an offer of a wide-band service. Thereupon the server of the computer network transmits access data used to access the server of the wide-band service (paragraph bridging pages 4 and 5).

Document D2 discloses wirelessly broadcasting data packets with embedded URLs allowing a terminal user to access an information source for more detailed data.

- 3. Neither Document D1 nor Document D2 discloses a memory for storing tuning data. The stored data facilitates automatic tuning upon selection of a URL for a broadcast service. Therefore, claim 1 meets the requirements of Articles 33(2) and 33(3) PCT.
- 4. Claims 2 to 7 are either directly or indirectly dependent on claim 1. Therefore, claims 2 to 7 meet the requirements of Article 33(2) and 33(3) PCT.

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's	or age	nt's file reference	<u> </u>	San Not	ification of Transmittal of International				
WO 2538	•		FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)						
Internationa		~~~~	International filing date (d	lay/month/year)	Priority date (day/month/year)				
PCT/EP98/07517			16/11/1998		24/11/1997				
Internationa H04L29/0		nt Classification (IPC) or n	I ational classification and IPC	:					
Applicant									
IRDETO	B.V.	et al.							
and is	trans	smitted to the applicant	nination report has been according to Article 36. of 4 sheets, including this		nternational Preliminary Examining Authority				
be (s	 This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of sheets. 								
3. This report contains indications relating to the following items:									
li		Priority	and the first control of the control		and indication amplicability				
lli III			•	veity, inventive st	ep and industrial applicability				
IV ☐ Lack of unity of invention V ☐ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicabilit citations and explanations suporting such statement									
VI		Certain documents c	ited		•				
VII		Certain defects in the	international application		· ·				
VIII		Certain observations	on the international applic	eation					
Date of submission of the demand 26/03/1999				Date of completion	of this report				
				1 9. 07. 99					
	exami Euro D-80 Tel:	g address of the internation ining authority: opean Patent Office o298 Munich (+49-89) 2399-0 Tx: 5236 (+49-89) 2399-4465		Authorized officer Willems, B Telephone No. (+4	9-89) 2399				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP98/07517

1. This report has been drawn on the basis of (substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):

	the .	ne report since they do not contain amendments.):								
Description, pages:										
	1-5		as originally filed			· .				
	Clai	ms, No.:								
	1-7		as originally filed							
Drawings, sheets:										
	1/1		as originally filed							
2.	The	amendments hav	ve resulted in the cance	ellation of:						
		the description,	pages:							
		the claims,	Nos.:							
		the drawings,	sheets:							
3.		This report has b considered to go	een established as if (s beyond the disclosure	some of) the ame as filed (Rule 70	endments had not be 0.2(c)):	en made, since they h	nave been			
	الم ۵	diaine al abangation	ne if popossany							

4. Additional observations, if necessary:



International application No. PCT/EP98/07517

- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes:

Claims 1-7

No:

Claims

Inventive step (IS)

Yes:

Claims 1-7

No: Yes:

No:

Claims

Industrial applicability (IA)

Claims 1-7 Claims

2. Citations and explanations

see separate sheet

Reasoned statement under Article 35(2) PCT

1. Cited documents:

D1 = GB-A-2307381

D2 = WO97/27546

2. Document D1 discloses a system for retrieving wide-band information via a wide-band network (page 3, lines 2 to 5). A computer terminal is connected to both the wide-band network and a conventional computer network (page 3, lines 7 and 8). The user selects with the aid of the terminal via the computer network an offer of a wide-band service. Thereupon the server of the computer network transmits access data used to access the server of the wide-band service (paragraph bridging pages 4 and 5).

Document D2 discloses wirelessly broadcasting data packets with embedded URLs allowing a terminal user to access an information source for more detailed data.

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- 4. Claims 2 to 7 are either directly or indirectly dependent on claim 1. Therefore, claims 2 to 7 meet the requirements of Article 33(2) and 33(3) PCT.